

IN THE CLAIMS:

Please cancel Claims 14, 16 and 17 without prejudice or disclaimer of subject matter, and amend Claims 11, 12, 15, 19 and 20 as shown below. The claims, as pending in the subject application, read as follows:

1. to 10. (Cancelled)

11. (Currently Amended) An image processing method comprising the steps of:

~~determining whether or not input image data represents an image of a person as a subject of the image;~~

obtaining image data and photographing mode information of the image data;

determining whether or not a photographing mode is a person photographing mode, based on the photographing mode information;

selecting a color space conversion condition from among plural color space conversion conditions, including first and second color space conversion conditions, in accordance with the determination result obtained in said determining step; and

~~performing the color space conversion on the input image data, by using the selected color space conversion condition;~~

performing, to the obtained image data, color space conversion of converting luminance/color difference data into RGB data, using the selected color space conversion condition;

wherein a first RGB color space corresponding to the first color space conversion condition is different from a second RGB color space corresponding to the second color space conversion condition, the second RGB color space has having a color gamut wider than that of the first RGB color space,

wherein, in a case where it is determined that ~~the input image data~~ represents the image of the person as the subject of the image the photographing mode is the person photographing mode, the first color space conversion condition is selected, and

wherein the number of bits of the image data converted by using the first color space conversion condition is the same as the number of bits of the image data converted by using the second color space conversion condition, and

wherein the photographing mode is a mode which corresponds to photographing an object by a digital camera to generate the image data, and which includes the person photographing mode and a scene photographing mode.

12. (Currently Amended) An image processing method according to Claim 11, wherein a first RGB color space is an sRGB color space.

13. to 14. (Cancelled)

15. (Currently Amended) An image processing method according to Claim 11, wherein the photographing mode information includes flash information said determining step is performed ~~based on flash information of the input image data.~~

16. to 17. (Cancelled)

18. (Previously Presented) An image processing method according to Claim 11, further comprising the step of performing an image correction on the image data that has been subjected to a color space conversion.

19. (Currently Amended) An image processing apparatus comprising:  
a ~~determination unit adapted to determine whether or not input image data represents an image of a person as a subject of the image;~~

a obtaining unit adapted to obtain image data and photographing mode information of the image data;

a ~~determination unit adapted to determine whether or not a photographing mode is a person photographing mode, based on the photographing mode information;~~

a selection unit adapted to select a color space conversion condition from among plural color space conversion conditions, including first and second color space conversion conditions, in accordance with the determination result provided by said determination unit; and

~~a color space conversion unit adapted to perform the color space conversion on the input image data, by using the selected color space conversion condition;~~

a performing unit, adapted to perform to the obtained image data, color space conversion of converting luminance/color difference data into RGB data, using the selected color space conversion condition,

wherein a first RGB color space corresponding to the first color space conversion condition is different from a second RGB color space corresponding to the second color space conversion, the second RGB color space has having a color gamut wider than that of the first RGB color space,

wherein, in a case where it is determined by said determination unit ~~that the~~ input image data represents the image of the person as the subject of the image the photographing mode is the person photographing mode, the first color space conversion condition is selected,

wherein the number of bits of the image data converted by using the first color space conversion condition is the same as the number of bits of the image data converted by using the second color space conversion condition, and

wherein the photographing mode is a mode which corresponds to photographing an object by a digital camera to generate the image data, and which includes the person photographing mode and a scene photographing mode.

20. (Currently Amended) A storage medium which is readable by a CPU and stores computer program codes computer-readable medium storing computer program code for causing a computer to execute the steps of:

determining whether or not input image data represents an image of a person as a subject of the image;

obtaining image data and photographing mode information of the image data;

determining whether or not a photographing mode is a person photographing mode, based on the photographing mode information;

selecting a color space conversion condition from among plural color space conversion conditions, including first and second color space conversion conditions, in accordance with the determination result obtained in said determining step; and

performing the color space conversion on the input image data, by using the selected color space conversion condition;

performing, to the obtained image data, color space conversion of converting luminance/color difference data into RGB data, using the selected color space conversion condition,

wherein a first RGB color space corresponding to the first color space conversion condition is different from a second RGB color space corresponding to the second color space conversion condition, the second RGB color space has having a color gamut wider than that of the first RGB color space,

wherein, in a case where it is determined that the input image data represents the image of the person as the subject of the image the photographing mode is the person photographing mode, the first color space conversion condition is selected, and

wherein the number of bits of the image data converted by using the first color space conversion condition is the same as the number of bits of the image data converted by using the second color space conversion condition, and

wherein the photographing mode is a mode which corresponds to photographing an object by a digital camera to generate the image data, and which includes the person photographing mode and a scene photographing mode.